

# KP-8000

ZEP

ARCTUNER

CASSETTE CAR STEREO  
WITH MW/FM-STEREO

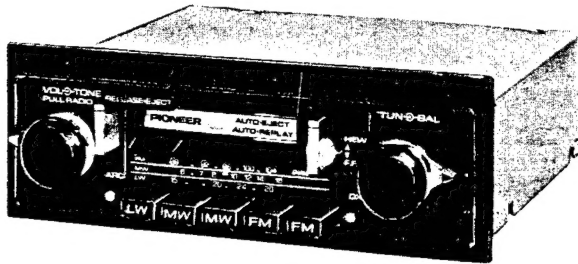
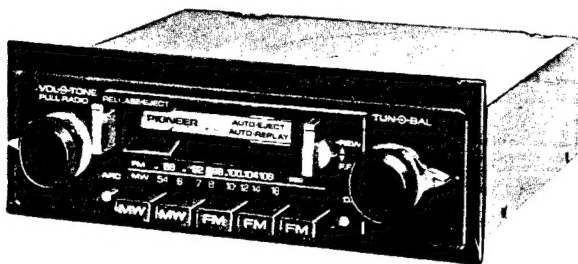
# KP-8300

ZEP

ARCTUNER

CASSETTE CAR STEREO  
WITH LW/MW/FM-STEREO

## SERVICE MANUAL



## SPECIFICATIONS

Semi-Conductors	AF: 4IC's, 9 transistors, 12 diodes RF: 4 IC's, 10 transistors, 8 diodes
Controls	Volume/radio sw, tone, balance, tuning, release/eject, fast forward/rewind, ARC sw, DX sw, pre-set buttons
Power Source	DC 13.8V (11~16V allowable)
Grounding	Negative ground system
Cartridge	PHILIPS-type cassette (C-30, C-60, C-90)
Wow and Flutter	No more than 0.3% (WRMS)
Fast Forward Time	No more than 100 sec. for C-60
Fast Rewind Time	No more than 100 sec. for C-60
Power Output	Rated (RMS): 7W
Frequency Response	30~12,000 Hz (−3dB)
Cross Talk	More than 40dB
Signal to Noise Ratio	More than 45dB
Output Impedance	4 Ω (2~8 Ω allowable)

### FM ARC TUNER SECTION

Frequency Range	88~108 MHz (KP-8000) 88~104 MHz (KP-8300)
Usable Sensitivity	3.5dB (μV)
Signal to Noise Ratio	More than 60dB
Capture Ratio	No more than 3dB
Sensitivity	70dB
Image Rejection	56dB
IF Rejection	64dB
Distortion	No more than 1%

Frequency Response	30~12,000 Hz (−3dB)
Muting Level	ARC ON: 20dB, ARC OFF: 5dB
Stereo Separation	25dB
Distance Switch Effect	16dB attenuation, ON-OFF

### MW TUNER SECTION

Frequency Range	525~1,605 kHz
Sensitivity	25dB (μV)
Selectivity	25dB (±10kHz)

### LW TUNER SECTION (KP-8300 ONLY)

Frequency Range	150~280 kHz
Sensitivity	50dB (μV)
Selectivity	20dB (±10kHz)

### DIMENSIONS

Main Unit (W x H x D)	180 x 50 x 145 mm
Nose Size (W x H)	105 x 40 mm
Shaft Interval	130 mm
Weight	2 kg

### NOISE SUPPRESSOR SECTION

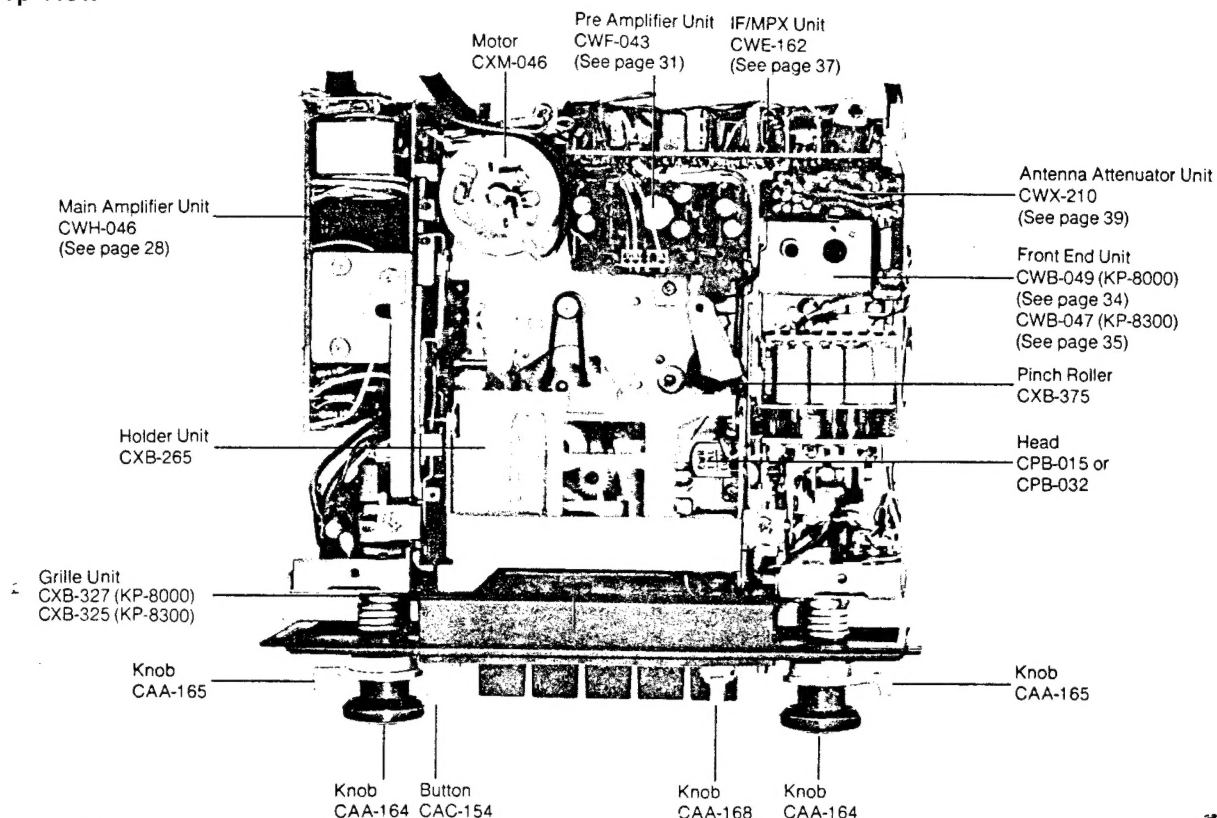
Dimensions (W x H x D)	54 x 26 x 82 mm
Weight	200 g

# PIONEER®

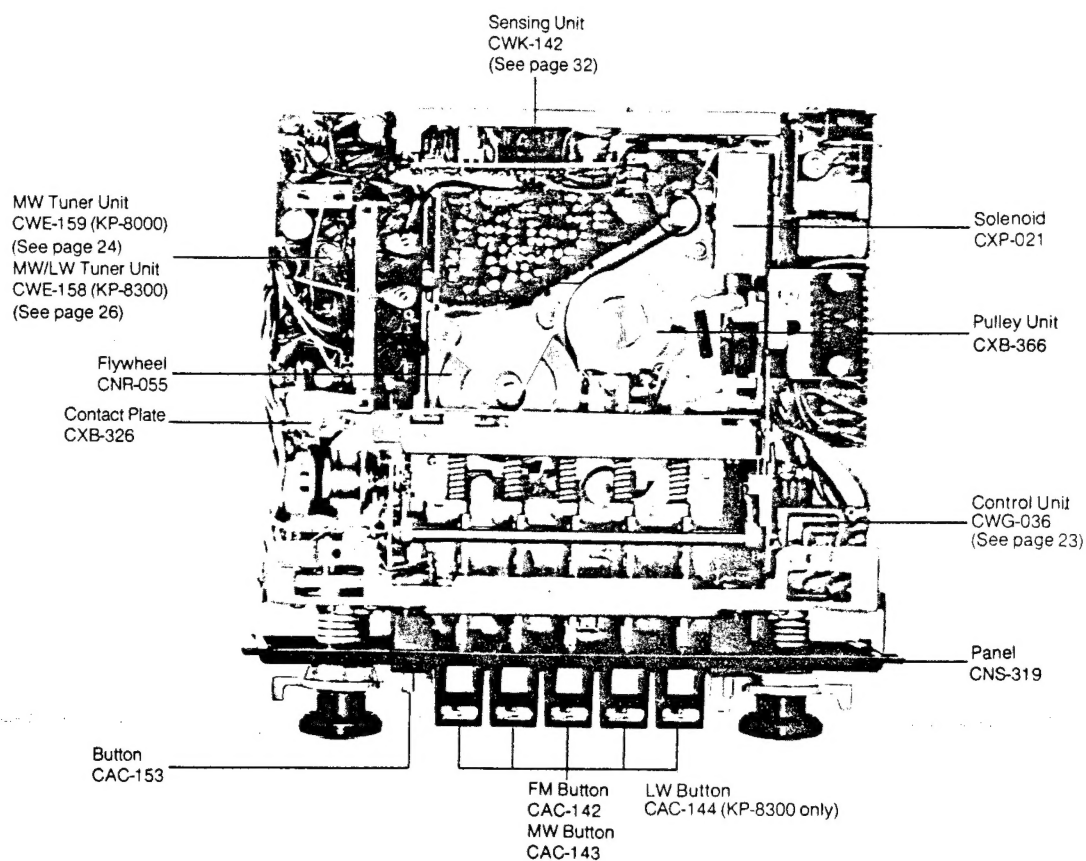
# PARTS LOCATION

KP-8000  
KP-8300

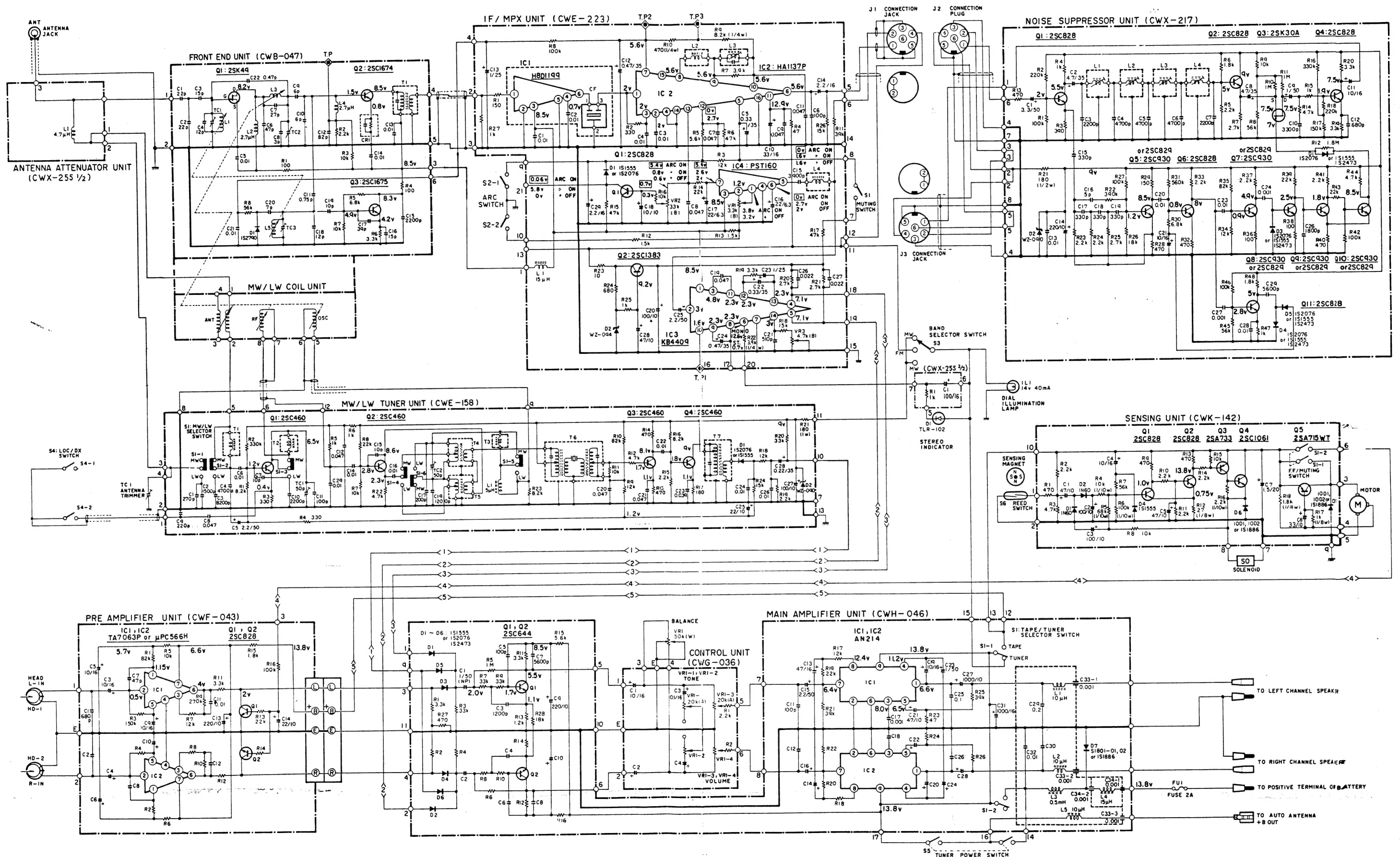
## • Top View



## • Bottom View

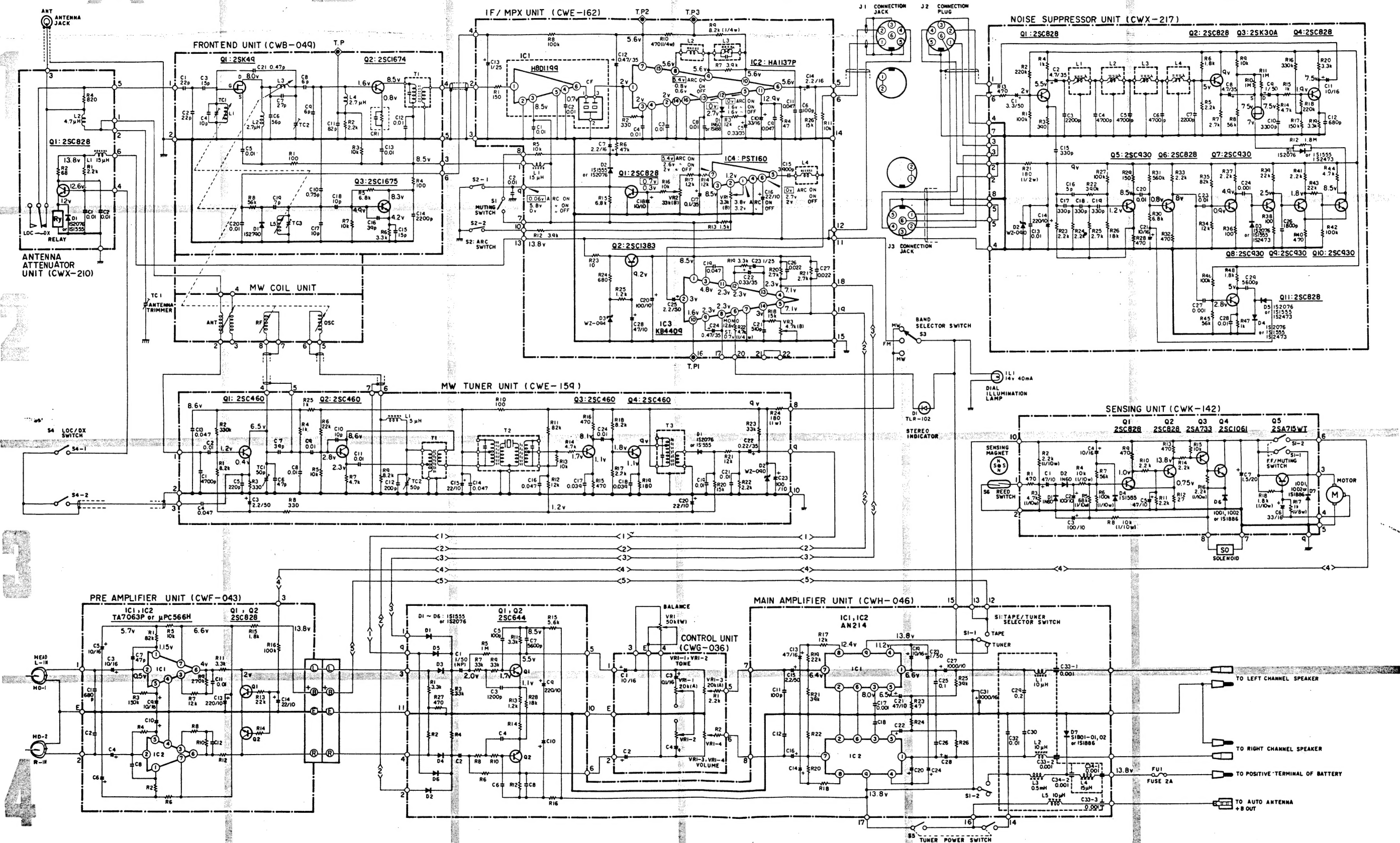


# SCHEMATIC CIRCUIT DIAGRAM (KP-8300)





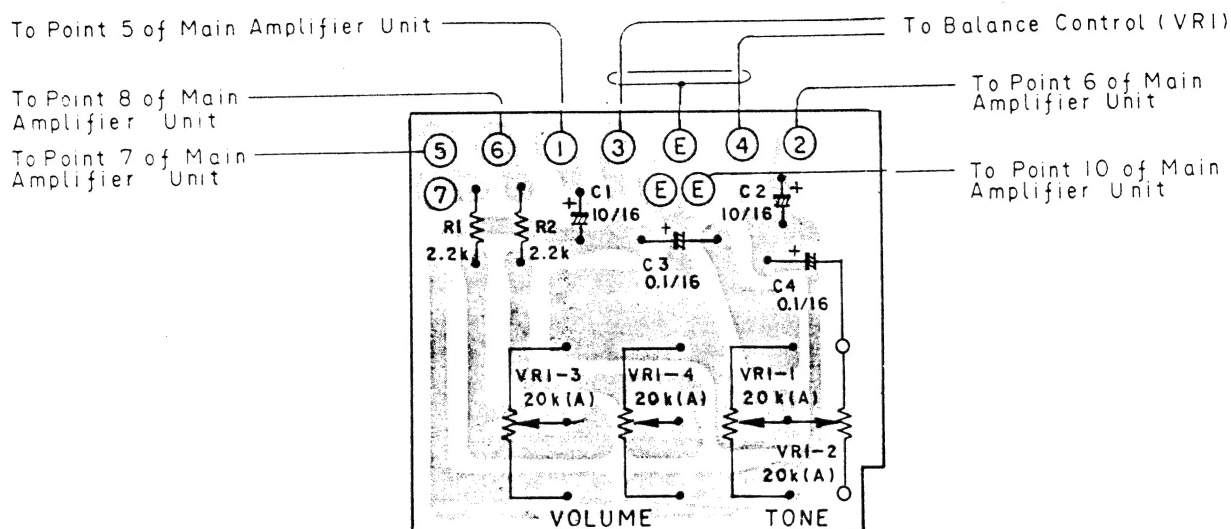
SCHEMATIC CIRCUIT DIAGRAM (KP-8000)





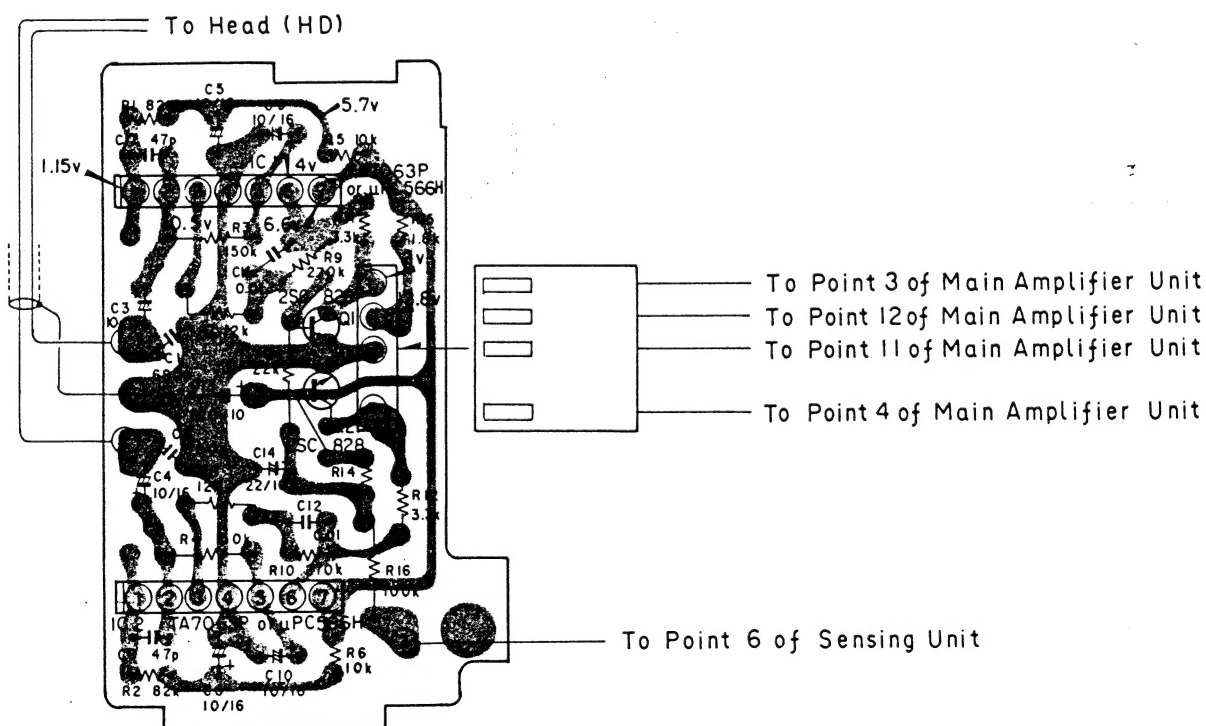
## CONTROL UNIT (CWG-036)

### • Parts connection



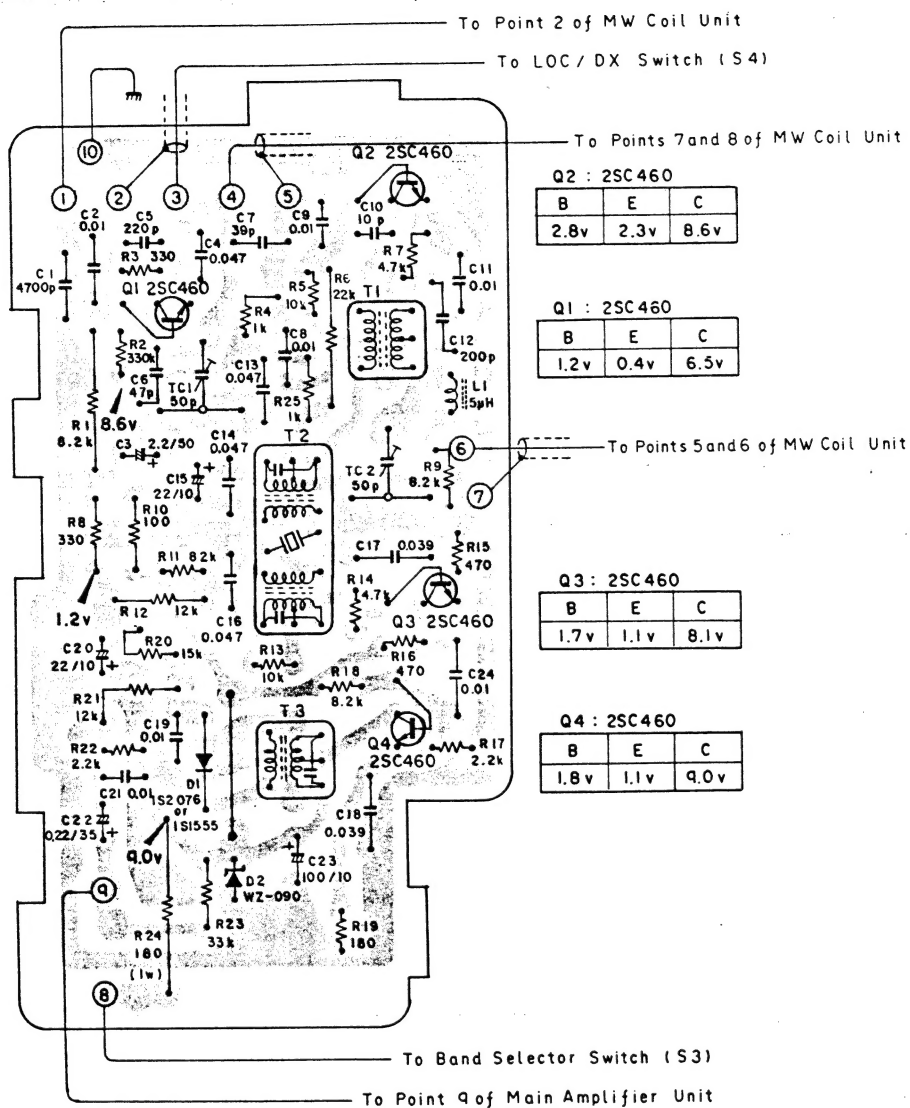
## PRE AMPLIFIER UNIT (CWF-043)

### • Parts Connection



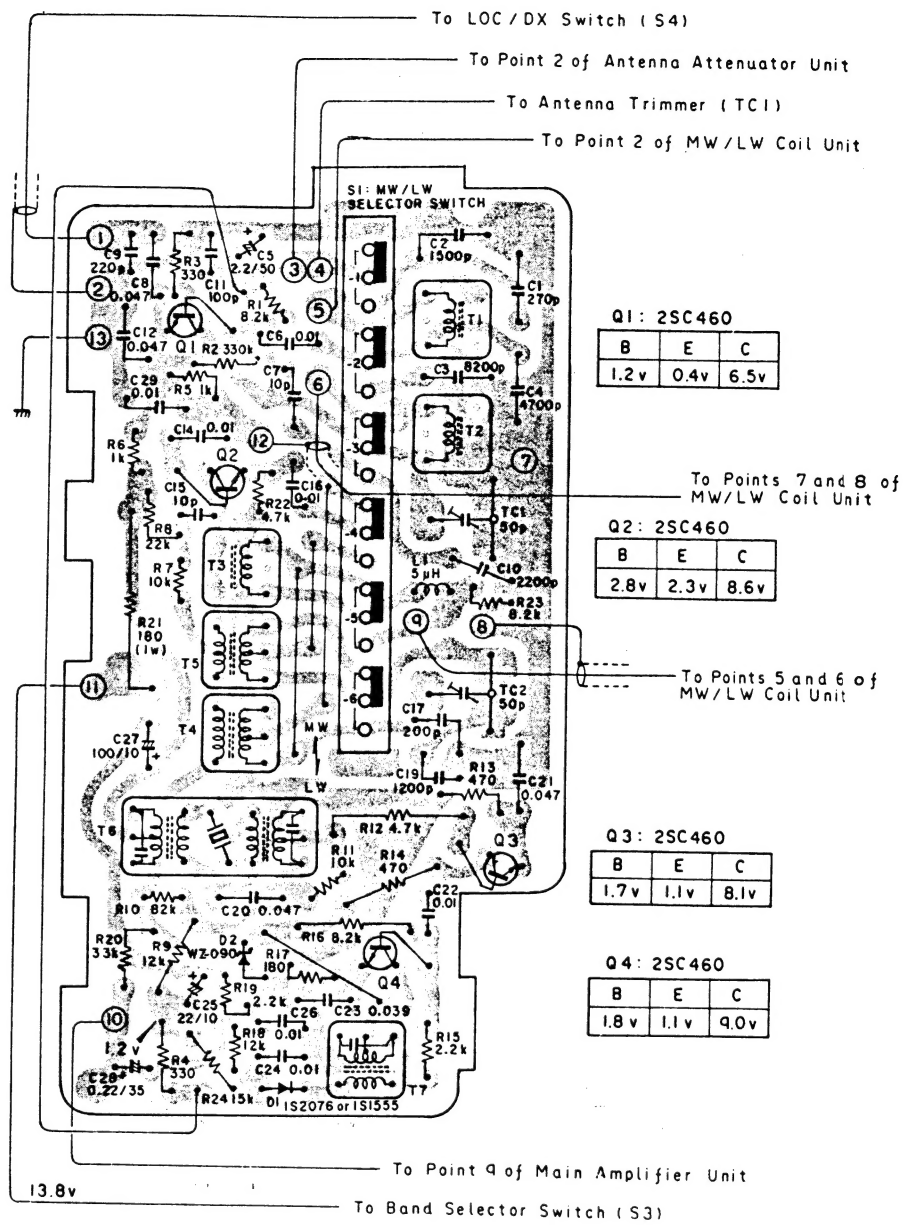
# MW TUNER UNIT (CWE-159)(KP-8000)

## • Parts Connection



# MW/LW TUNER UNIT (CWE-158)(KP-8300)

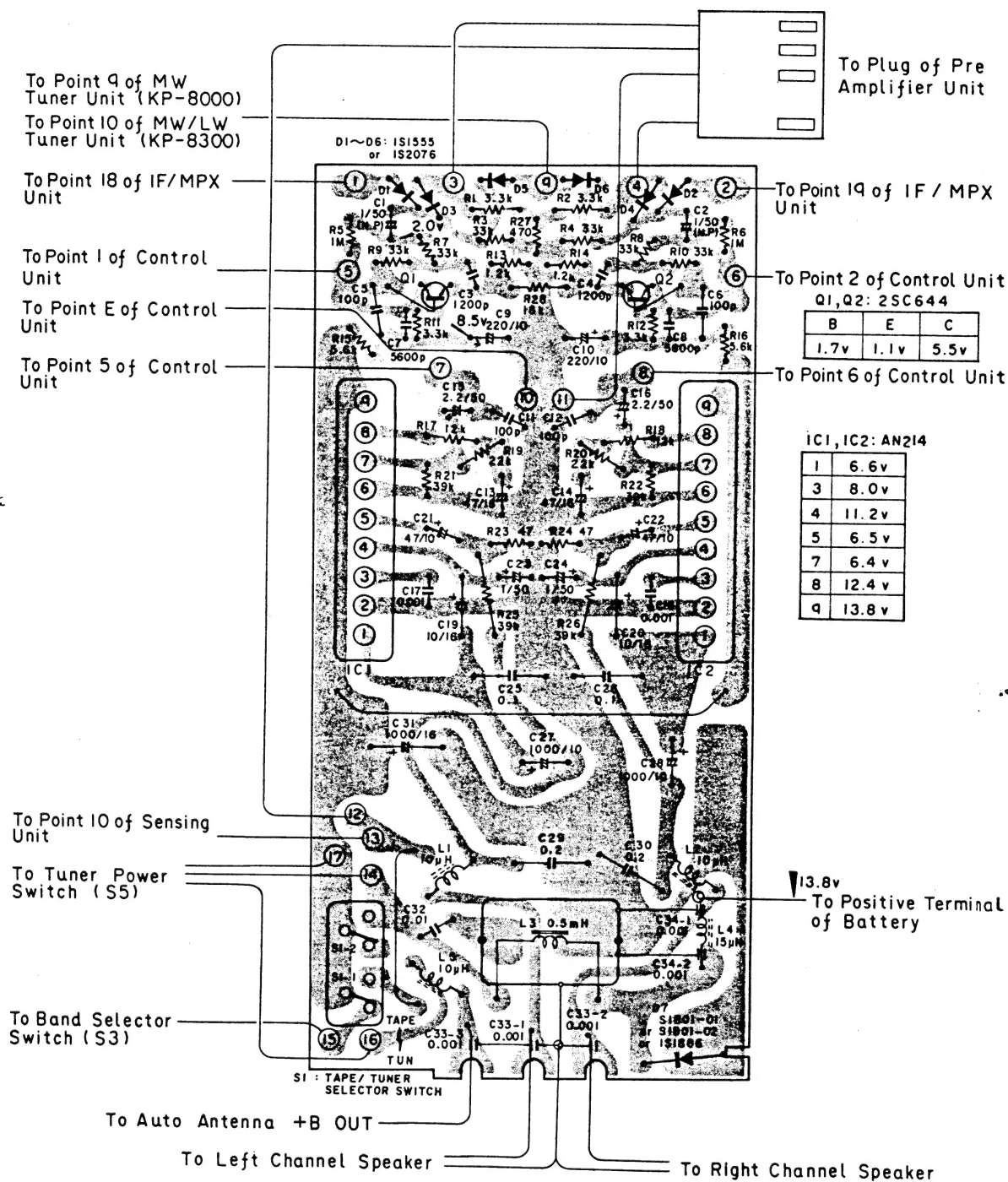
## • Parts Connection





# MAIN AMPLIFIER UNIT (CWH-046)

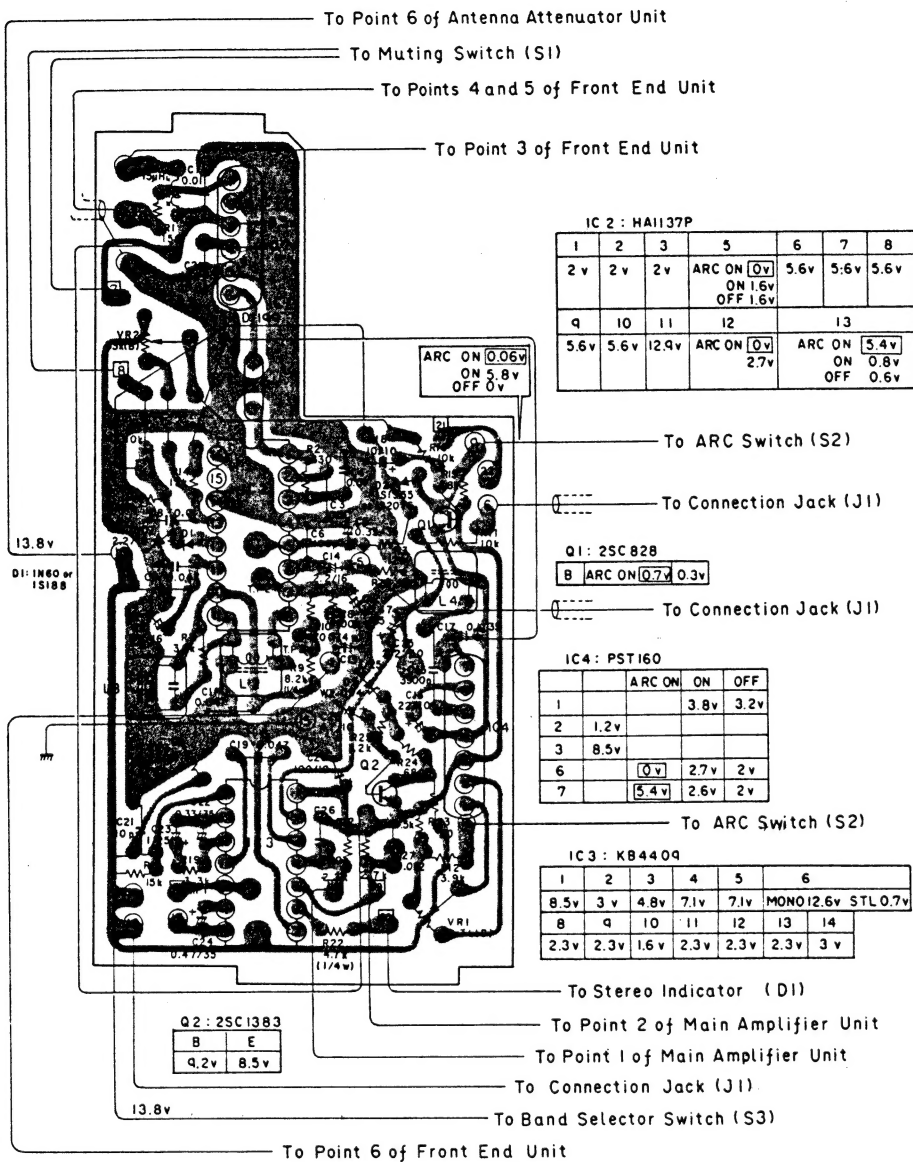
## • Parts Connection





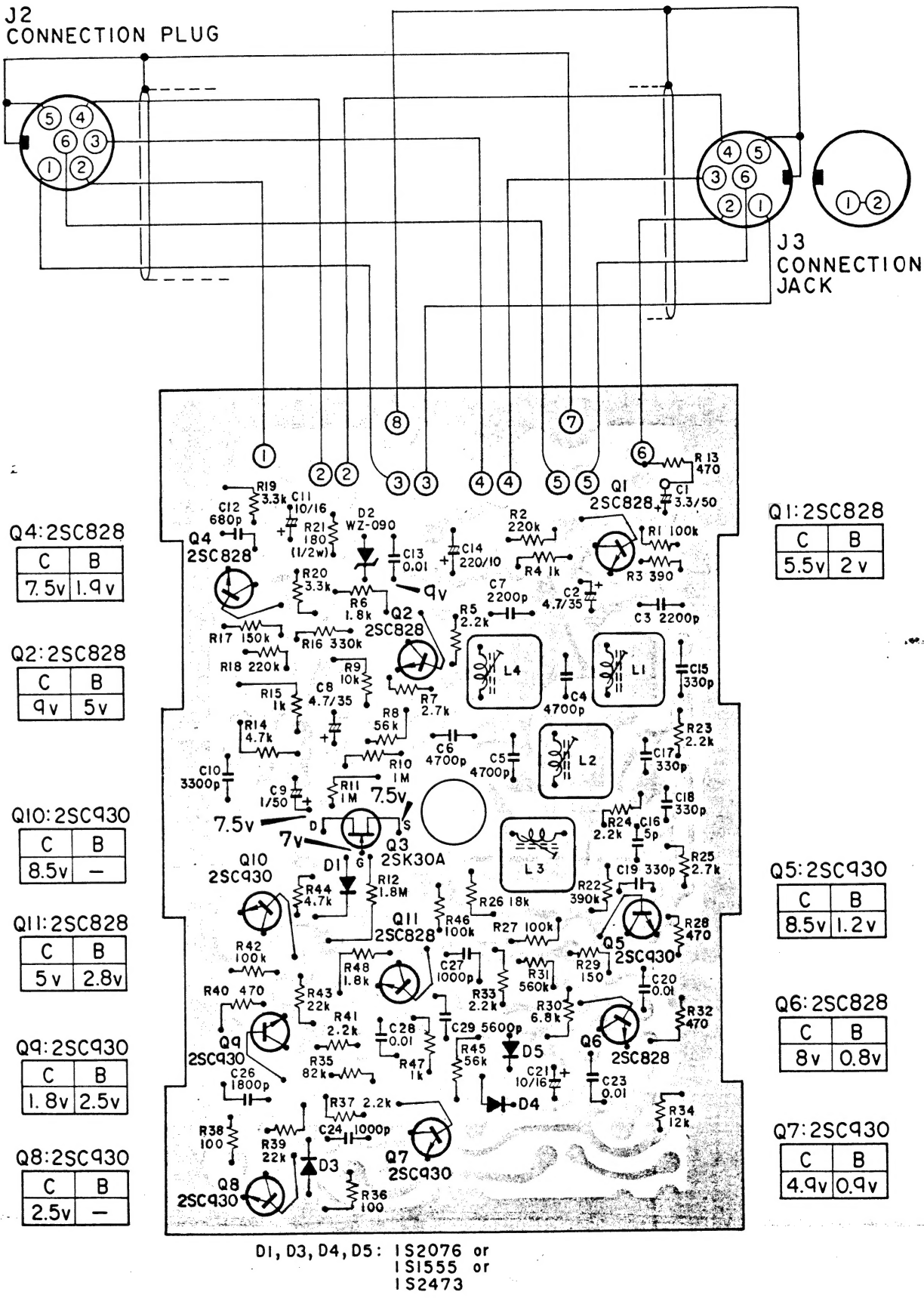
IF/MPX UNIT (CWE-162)

• Parts Connection



NOISE SUPPRESSOR UNIT (CWX-217)

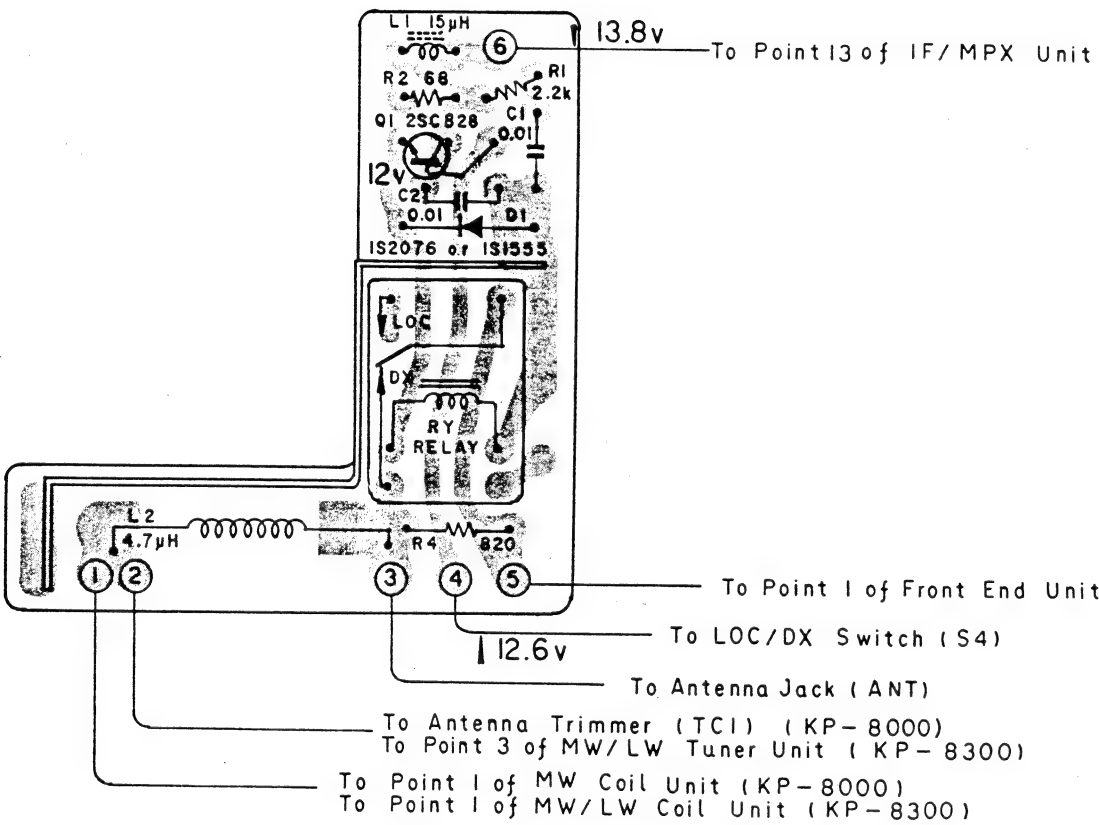
• Parts Connection



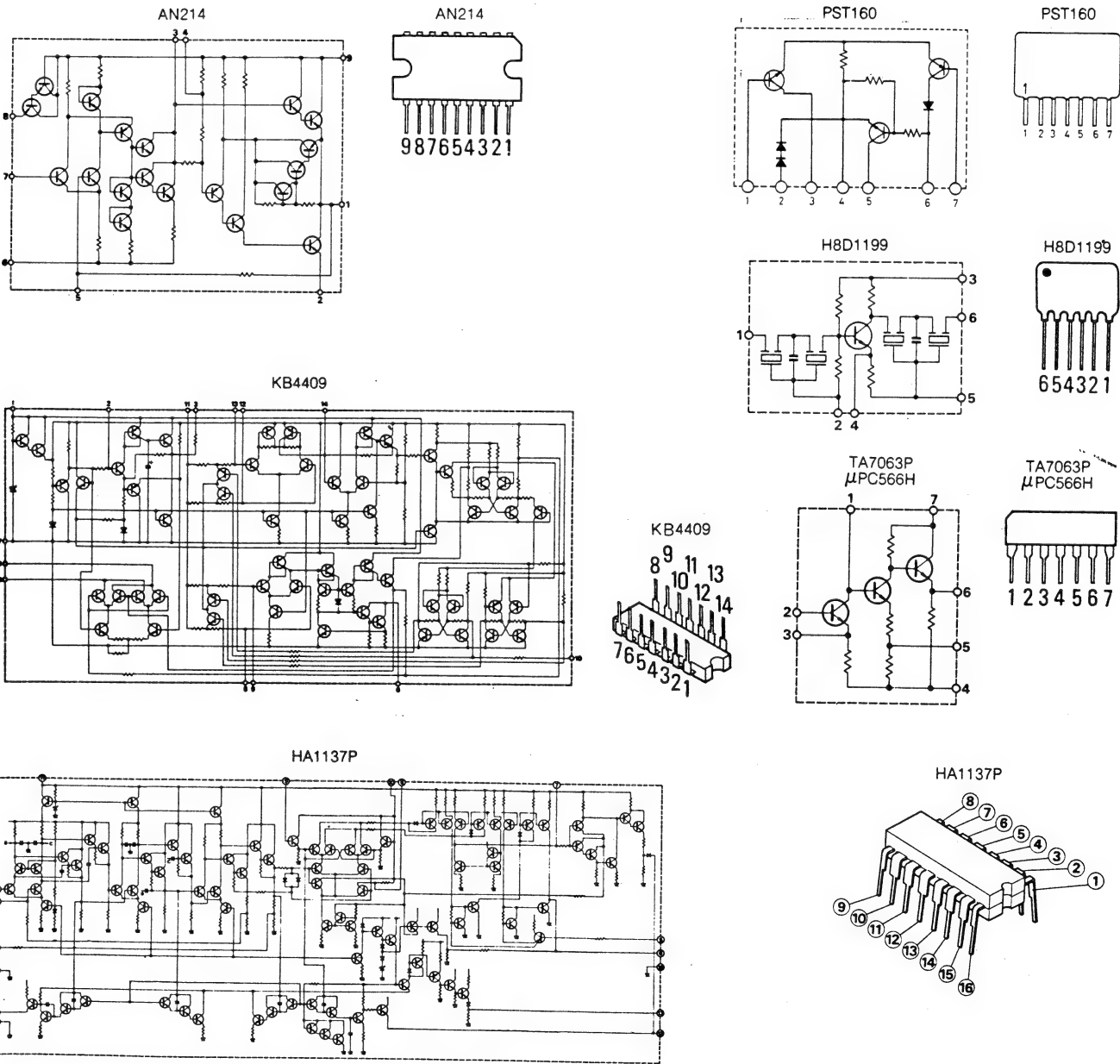
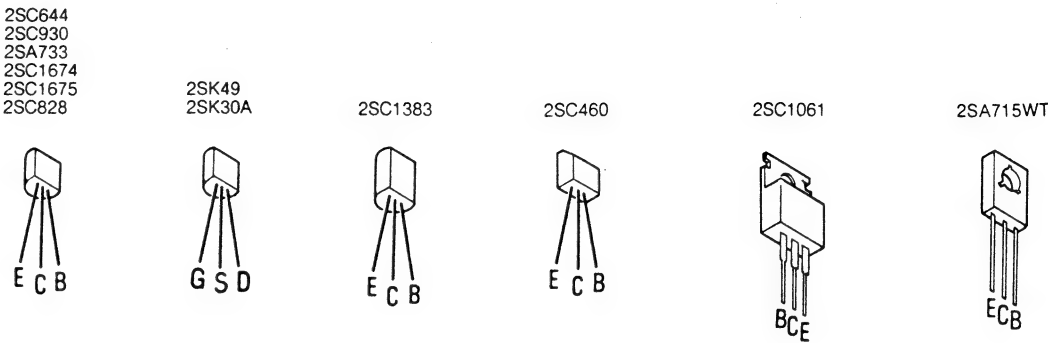


# ANTENNA ATTENUATOR UNIT (CWX-210)

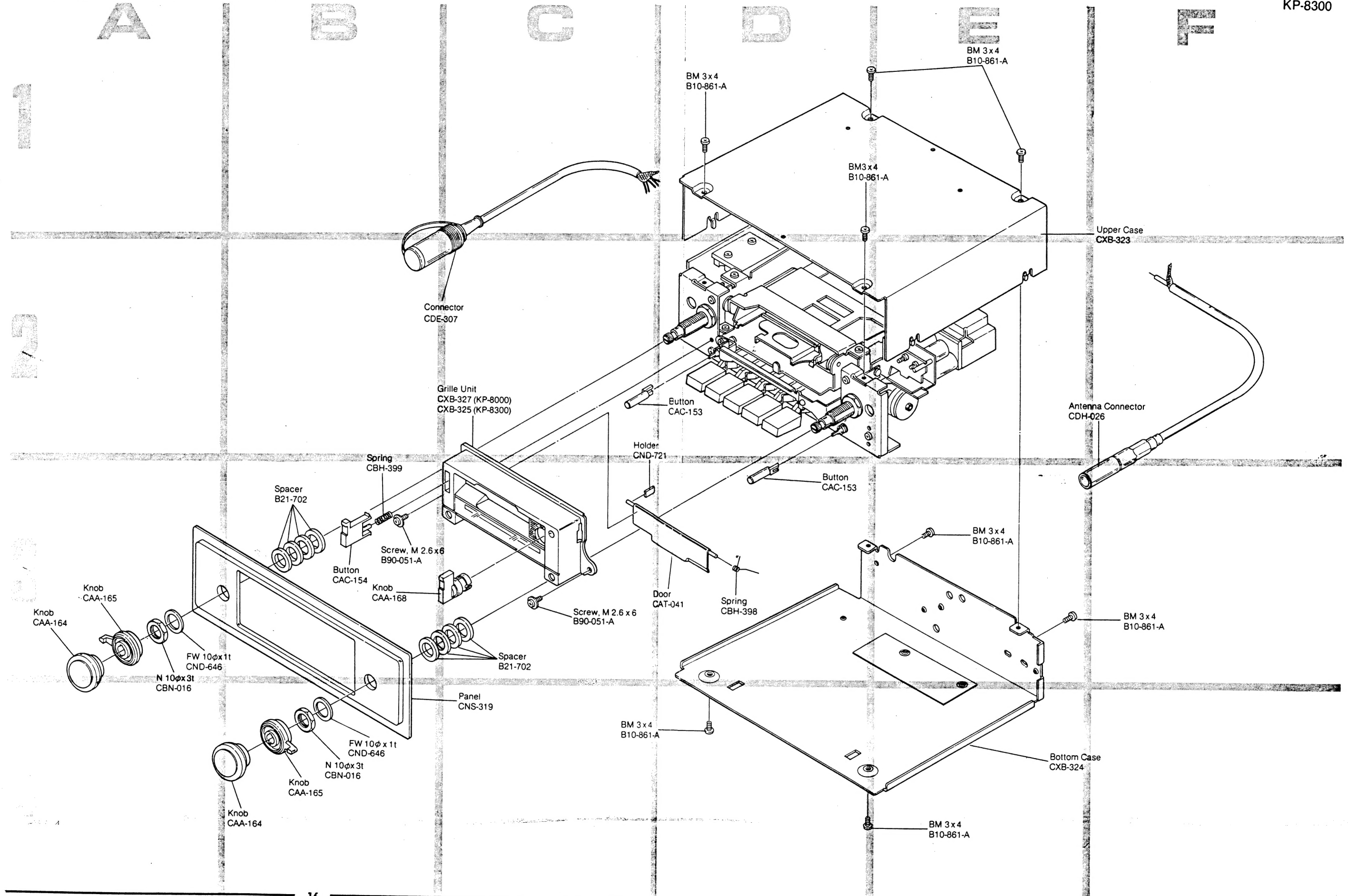
## • Parts Connection



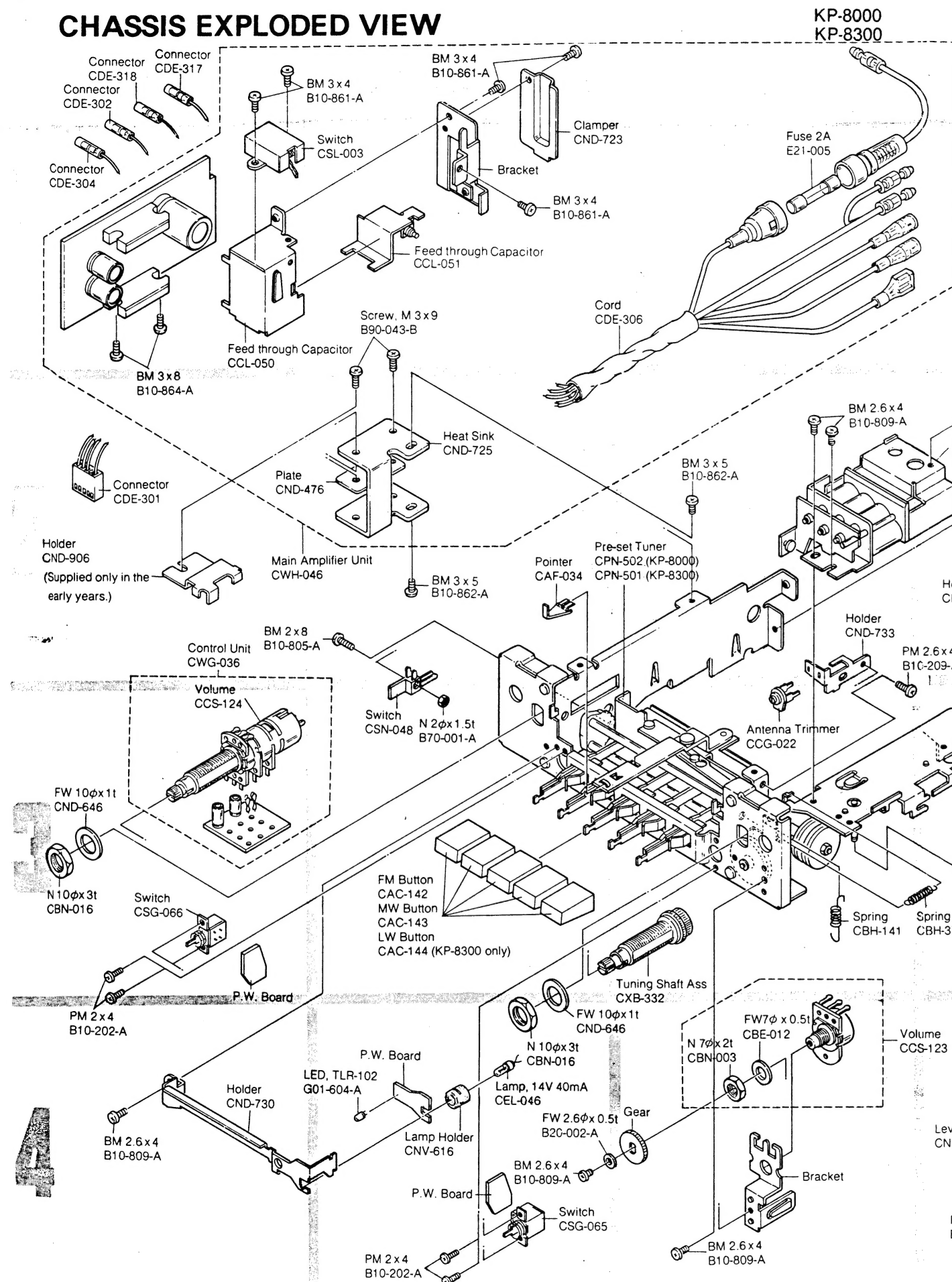
## • IC's and Transistors



# CABINET EXPLODED VIEW

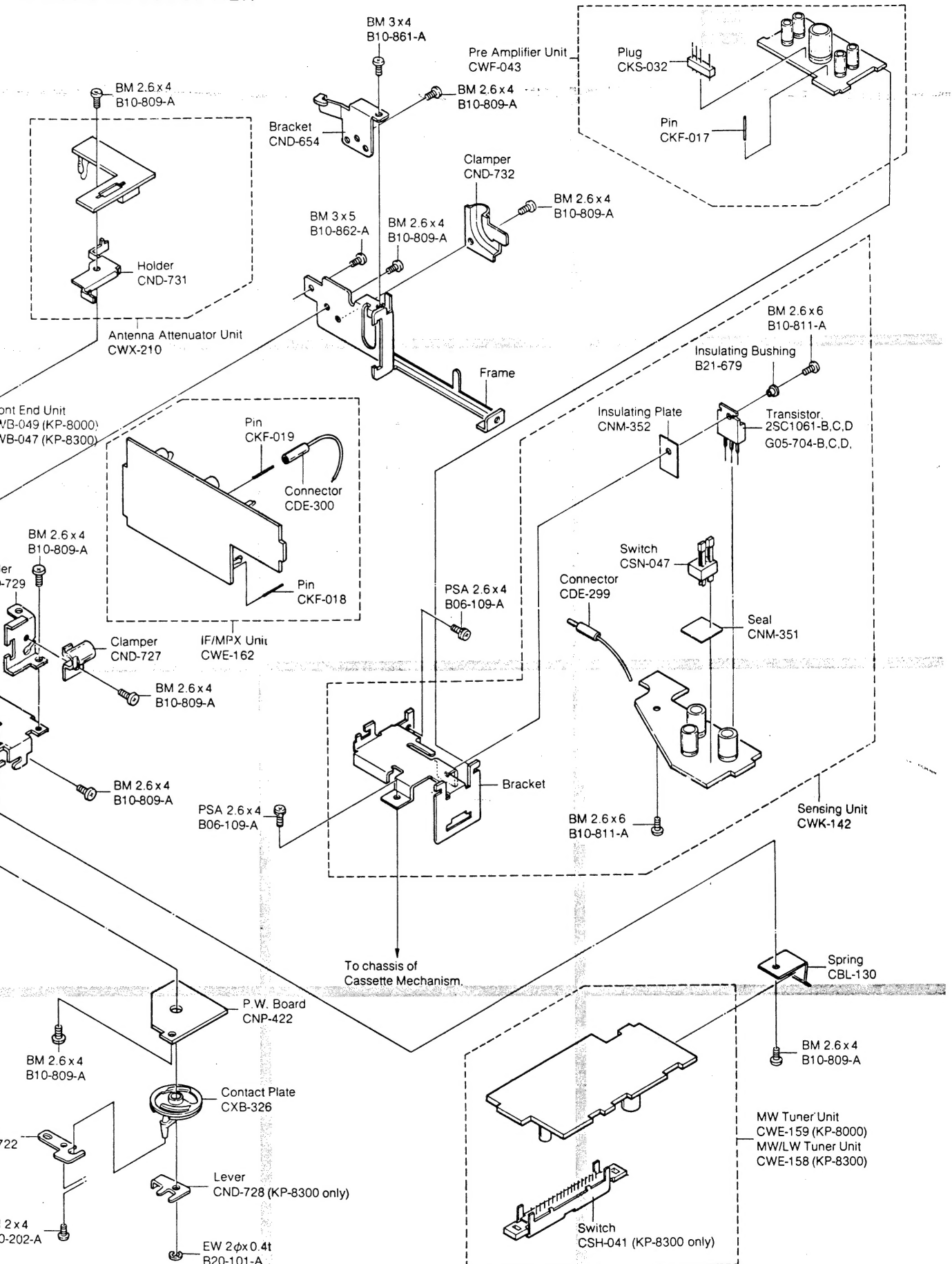


## CHASSIS EXPLODED VIEW



KP-8000  
KP-8300

## CHASSIS EXPLODED VIEW

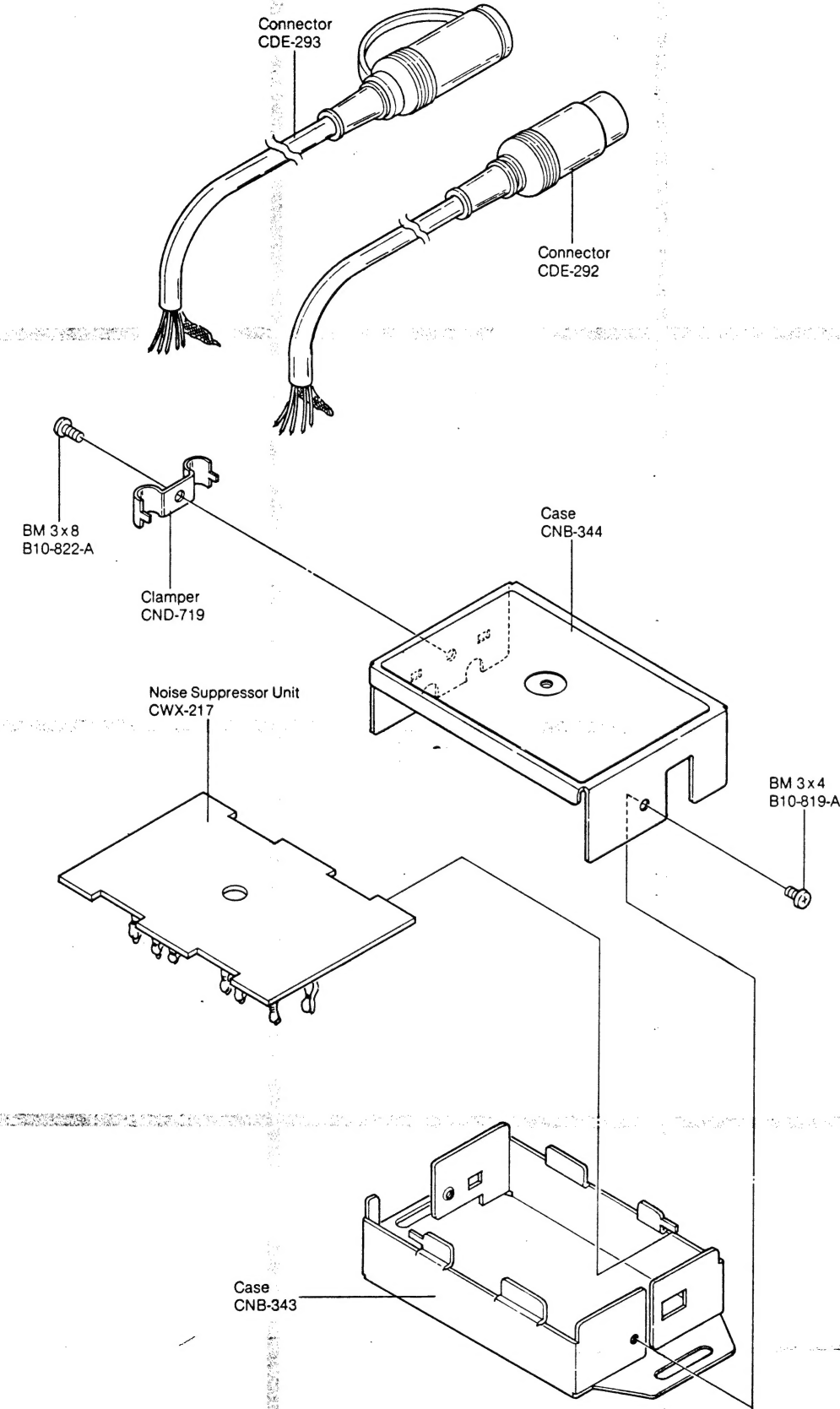


NOTICE: Parts whose parts numbers are omitted are subject to being not supplied.



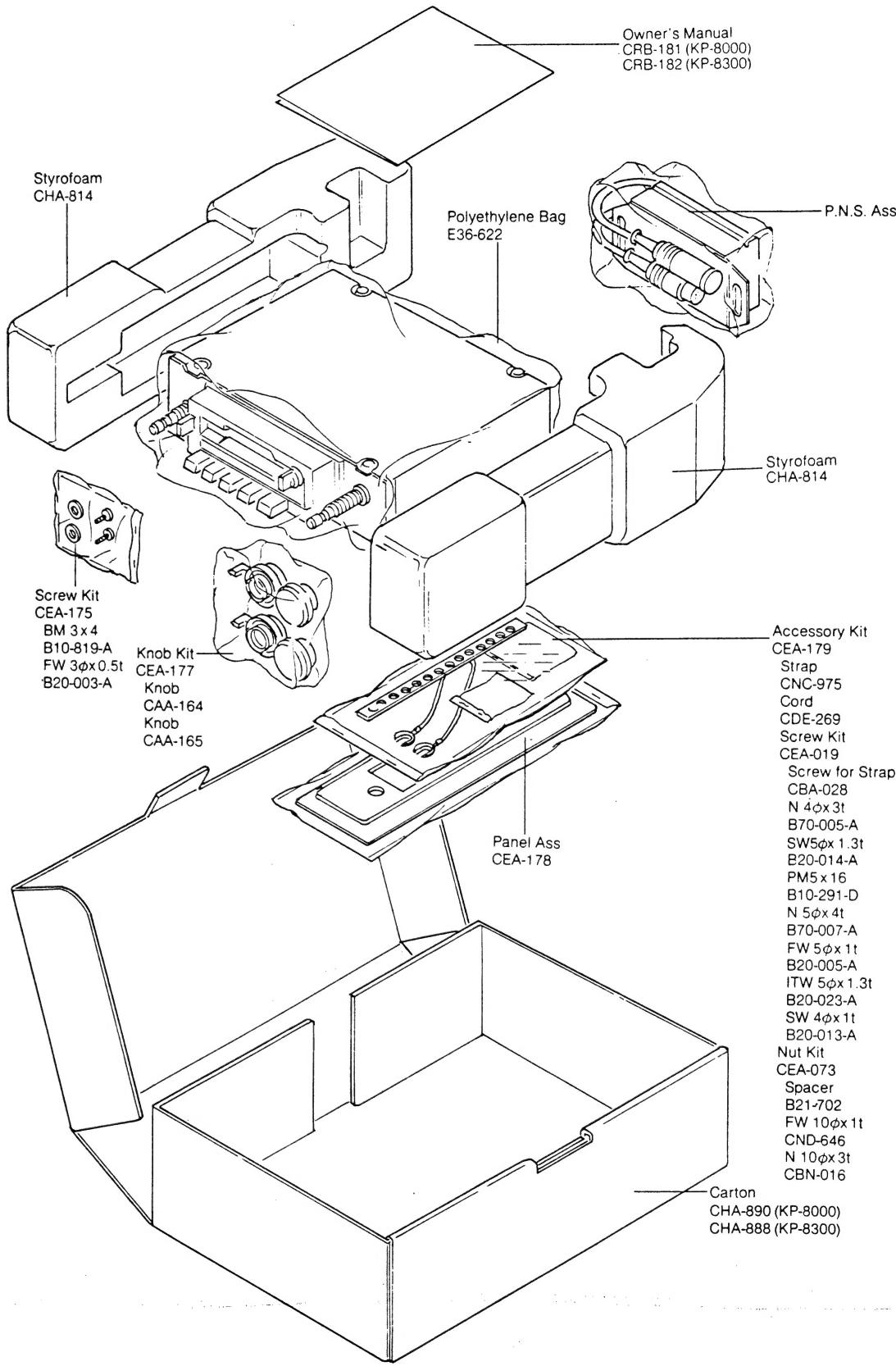
PNS EXPLODED VIEW

KP-8000  
KP-8300



PACKING METHOD

NOTICE: Part whose parts number is omitted is subject to being not supplied.



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